

FIG. 1

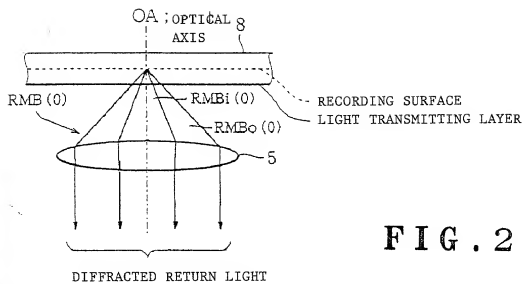


FIG. 2

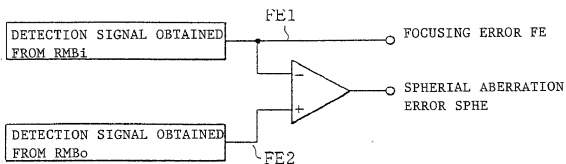
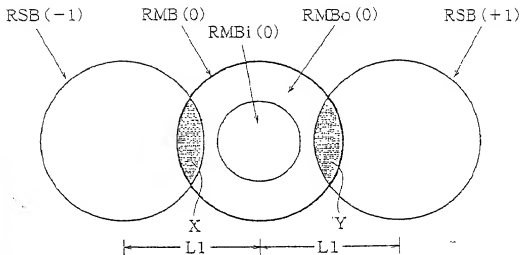
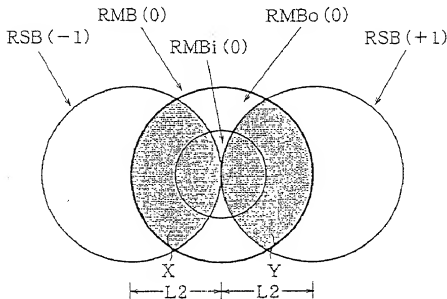


FIG. 3

FIG. 4

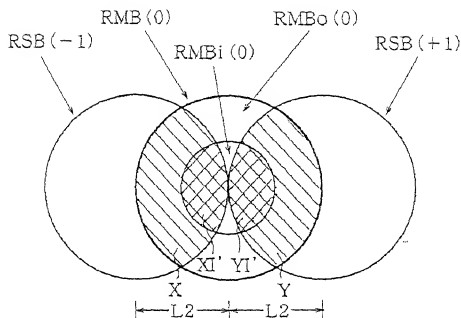


POSITIONAL RELATION BETWEEN THE 0-TH ORDER LIGHT AND THE  $\pm 1$  PRIMARY DIFFRACTED LIGHT WHEN THE NUMERICAL APERTURE NA IS SMALL IN THE IN-FOCUS STATE OR WHEN THE TRACK PITCH TP IS SMALL IN THE IN-FOCUS STATE.  
 RMB(0):0-TH ORDER LIGHT, RMBi(0):INNER RADIUS LIGHT,  
 RMBo(0):OUTER RADIUS LIGHT, RSB(-1):-1 PRIMARY DIFFRACTED LIGHT,  
 RSB(+1):+1 PRIMARY DIFFRACTED LIGHT



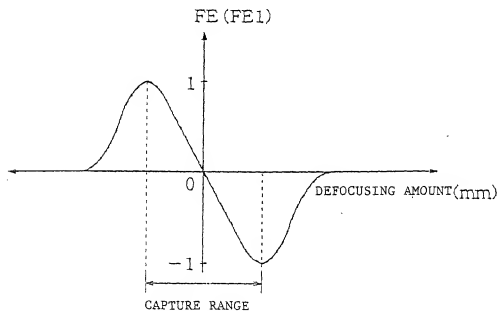
POSITIONAL RELATION BETWEEN THE 0-TH ORDER LIGHT AND THE  $\pm 1$  PRIMARY DIFFRACTED LIGHT IN A CASE WHERE THE NUMERICAL APERTURE NA IS LARGE IN THE IN-FOCUS STATE OR IN A CASE WHERE THE TRACK PITCH TP IS LARGE IN THE IN-FOCUS STATE.

FIG. 5



POSITIONAL RELATION BETWEEN THE 0-TH ORDER LIGHT AND THE  $\pm 1$  PRIMARY DIFFRACTED LIGHT WHEN THE NUMERICAL APERTURE NA IS LARGE AND IN THE DEFOCUSING STATE, OR WHEN THE TRACK PITCH TP IS LARGE AND IN THE DEFOCUSING STATE.

**FIG. 6**



**FIG. 7**

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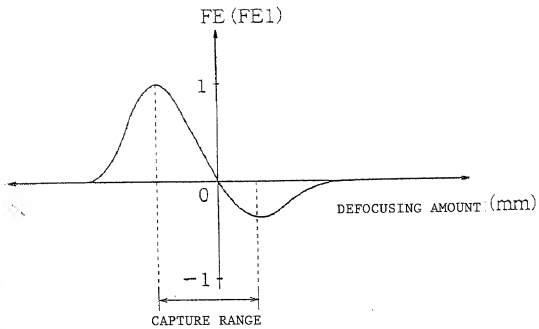


FIG. 8

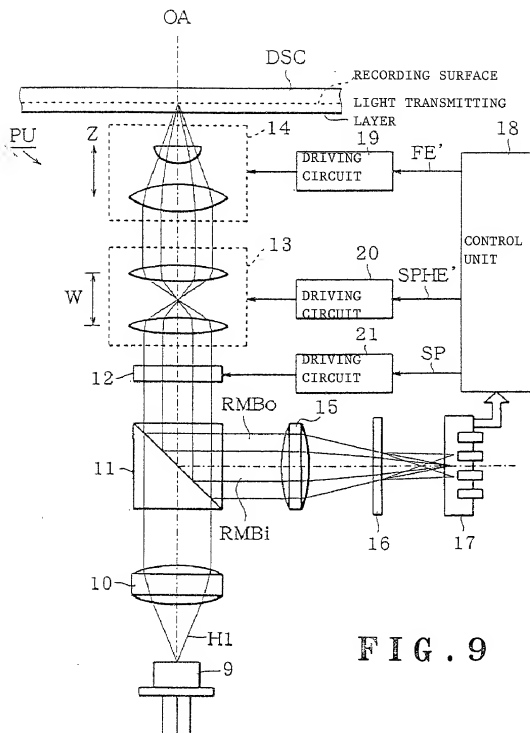


FIG. 9

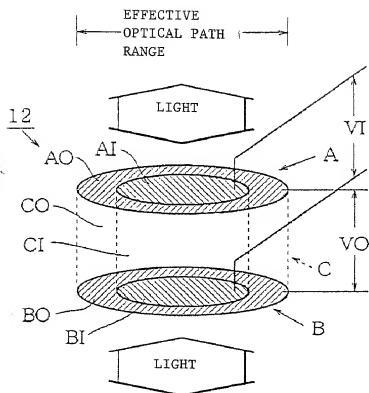


FIG. 10

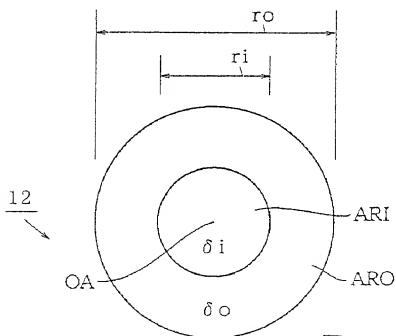


FIG. 11

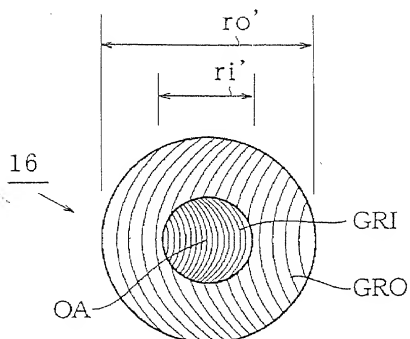


FIG. 12

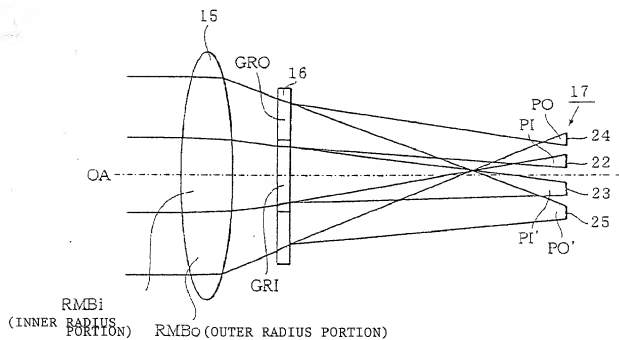


FIG. 13



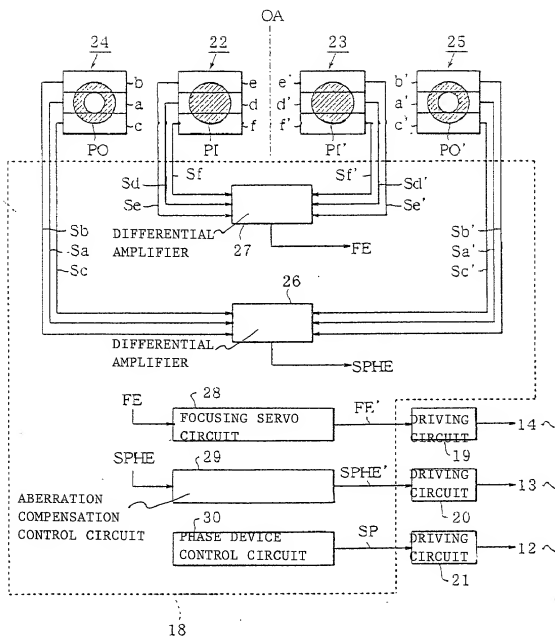


FIG. 14

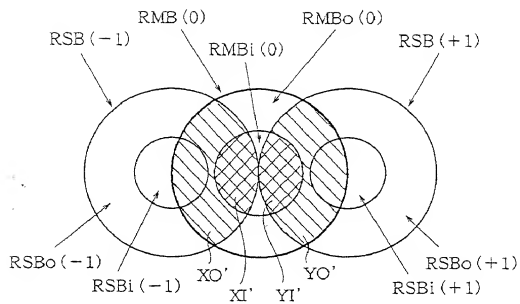


FIG. 15

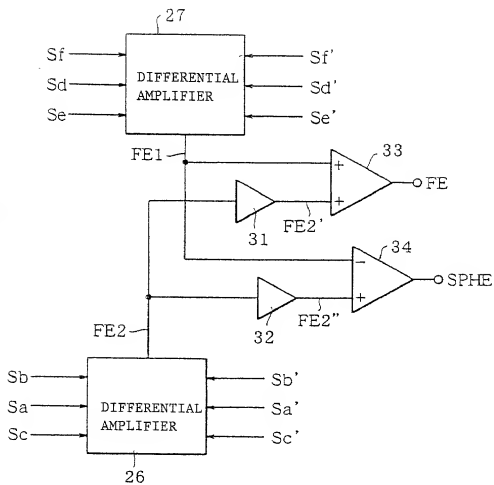


FIG. 16

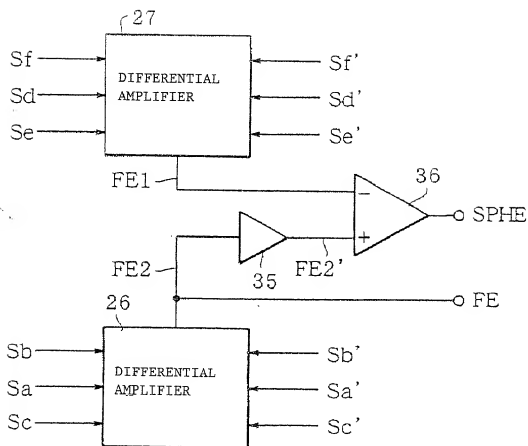


FIG. 17

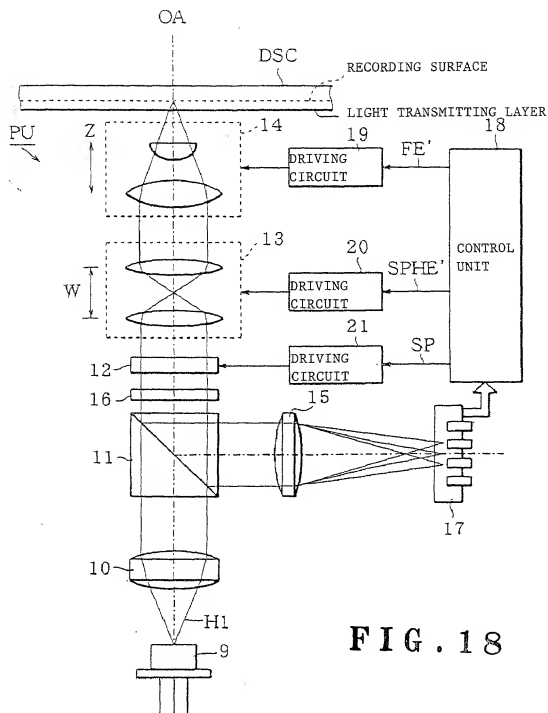


FIG. 18

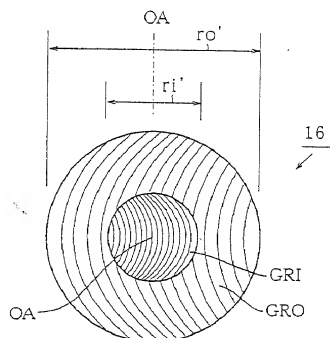


FIG. 19

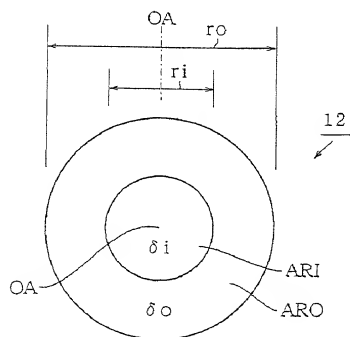


FIG. 20